

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/029,593	OCHI, SAM SEIICHIRO	
	<b>Examiner</b>	<b>Art Unit</b>	
	Zeev Kitov	2836	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/31/03.
2. ☒ The allowed claim(s) is/are 5, 6, 8 - 15, 17, 19 - 21, 23, 26, 27, 30, 31.
3. ☒ The drawings filed on 12.21, 01 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.
5. ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

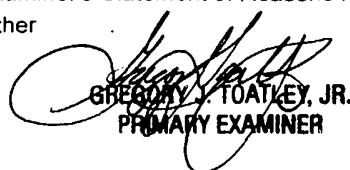
7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)          |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                    | 6 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____             |
| 3 <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. _____  | 7 <input type="checkbox"/> Examiner's Amendment/Comment                             |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
|  | 9 <input type="checkbox"/> Other  |

  
 GREGORY J. TOATLEY, JR.  
 PRIMARY EXAMINER

### **REASONS FOR ALLOWANCE**

Examiner acknowledges a submission of the amendment and arguments filed on October 31, 2003. Claims 1 - 4, 7, 18, 24, 25, 28, 29 and 32 - 41 are deleted; Claims 5, 11, 23, 27 and 31 are amended. Amendment and arguments have overcome rejections under 112 (2), 102 (b) and 103(a).

The following is an examiner's statement of reasons for allowance:

An amended independent Claim 5 discloses, inter alia, the first and the second detectors, wherein the second detector, which has an operational amplifier used as a comparator, detects a noise in the power and being coupled to the switch, changes its conductivity in response to an instant value of the noise signal, thus canceling the noise in the power line. The closest references for the claim is Johansson, which discloses the detector detecting noise in the power and coupled to the switch, wherein a conductivity of the switch varies responsive to the second detector detecting noise components in the power, and varying the amount of power delivered to the target circuit in response to the noise component. However, the claim recites the schematic details of the second detector, which are not disclosed in the reference and were not found in the collected references of the prior art.

An amended Claim 11 discloses, inter alia, the switch, which gradually closes in response to the first detector signal, wherein the switch is a first transistor having a gate terminal coupled to the first detector (RC circuit) via the

filter. Such limitation was not found in collected prior art of the record. The same limitation is recited again in the independent Claims 23 and 27, thus making them allowable.

An independent Claim 31 discloses, inter alia, the first circuit means detecting a connection event between a device and a power source and the second circuit means responsive to the first circuit means and controlling the amount of power transferred from the power source to the device (load). The second circuit means include an RC circuit charged by the power source, wherein a voltage developed by the RC circuit is provided to the first circuit means. Providing the voltage developed across the RC circuit of the second circuit means to the first circuit means was not found in a collected prior art of the record.

Allowability resides, at least in part, in the above-described limitations, which has not been disclosed in the Prior Art in a search.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zeev Kitov whose telephone number is (703) 305-0759. The examiner can normally be reached on 8:00 – 4:30. If attempts to reach examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on (703) 308-3119. The fax phone number for

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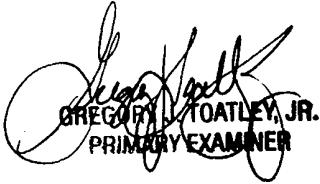
Art Unit: 2836

organization where this application or proceedings is assigned is (703) 872-9306  
for all communications.

Any inquiry of a general nature or relating to the status of this application  
or proceeding should be directed to the receptionist whose telephone number is  
(703) 308-0956.

Z.K.

11/17/2003



GREGORY L. TOATLEY, JR.  
PRIMARY EXAMINER